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KATTEN MUCHIN ROSENMAN LLP

525 West Monroe Street
Chicago, IL 60661-3693
312.902.5200 office 312.902.1061 fax

Facsimile To	Company	Fax Number	Phone Number
Mail Stop Missing Parts - Commissioner for Patents	USPTO	(571) 273-8300	
Date	Client/Matter Number		
September 14, 2005	211843-00032		
From	Attorney Number		
John S. Paniaguas	32347		
Phone	Fax		
312.902.5312	312.577.4532		

Total number of pages, including cover letter: pages
If you do not receive all of the pages, please call: 312.902.5312

17 pages

Comments

RE: Patent Application No.: 10/519,699

Filing Date: December 23, 2004

Inventor: Horsky, et al.

Title: An Ion Implantation Device and a Method of Semiconductor Manufacturing by the Implantation of Boron Hydride Cluster Ions

Confirmation No.: 6928

Please file the attached:

Transmittal Form (1 p.)

Fee Transmittal Form (1 p.)

Copy of Nonfication of Missing Requirements (2 pp.)

Response to Nonfication of Missing Requirements (2 pp.) in triplicate.

Executed Declaration (2 pp.)

Correction of Entry Statis and Payment of Fee Deficiency (2 pp.) in duplicate.

Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office (571) 273-8300 on September 14, 2005.

Janelle A. Wiggins

(Typed or printed name of person signing this certificate)

Janelle A. Wiggins

Signature

For Messenger Department Use Only

Your fax has been sent. Attached is your original.

Date Time

Signature

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Doc #CHI01 (211843-00032) 50306229 v1.09/14/2005/Tmc:14:14

If you need additional assistance, call 1-800-870-4700 and press 2 option 2.

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FTO:R:R:17 (2-64-2)
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RECORDED 01/05/2023 11:27:45 AM (EST)
DEPARTMENT OF COMMERCE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 14 2005

Applicants:	Horsky, et al.	CERTIFICATION OF TRANSMISSION
Application No.:	10/519,699	I hereby certify that this correspondence is being facsimile transmitted ((571) 273-8300) to the United States Patent and Trademark Office on 9-14-05
Filing Date:	December 23, 2004	Date
Title:	An Ion Implantation Device and a Method of Semiconductor Manufacturing by the Implantation of Boron Hydride Cluster Ions	Signature
Group Art Unit:	Unassigned	<i>Janelle A. Wiggins</i>
Examiner:	Unassigned	<i>Janelle A. Wiggins</i>
Customer No.:	27160	Printed Name of Person Signing Certificate
Confirmation No.:	6928	

Response to Notification of Missing Requirements Under 35 U.S.C. 371

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements dated July 14, 2005 enclosed are:

1. A copy of the Notification of Missing Requirements. (Required)
2. An executed Declaration for Patent Application.
3. Power of Attorney by Assignee of the Entire Interest along with Certificate Under 37 C.F.R. § 3.73(b).
4. Revised set of formal drawings.
5. A check in the amount of \$____ to cover the filing fee (small entity) and late oath or declaration surcharge is enclosed.
6. The Commissioner is hereby authorized to charge \$1,440.00 plus any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17

Attorney Docket No. 211843-00032

During its entire pendency, or credit any overpayment, to Deposit Account No. 50-1214. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1214. This sheet is filed in triplicate.

7. Correction of Entity Status and Payment of Fee Deficiency.
8. Assignment along with Assignment Recitation Form Cover Sheet.
9. A check in the amount of \$ 10 to cover the filing fee for Assignment recitation is enclosed.

9-14-05

(Date)


John S. Panagakos
Registration No. 31,061

KATTEN MUCHIN ROSENMAN LLP
525 West Monroe Street
Chicago, Illinois 60661-3693
Telephone: (312) 902-5200
Facsimile: (312) 902-1061

RECEIVED
Attorney Docket No. 211843-00032
CENTRAL FAX CENTERIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 14 2005

Applicants:	Horsky, et al.	CERTIFICATION OF TRANSMISSION	
Application No.:	10/519,699	I hereby that this correspondence is being facsimile transmitted ((571) 273-8300) to the United States Patent and Trademark Office on	
Filing Date:	December 23, 2004	<u>9-14-05</u>	
Title: An Ion Implantation Device and a Method of Semiconductor Manufacturing by the Implantation of Boron Hydride Cluster Ions		Date	<u>Janelle A. Wiggins</u>
Group Art Unit: Unassigned		Signature	<u>Janelle A. Wiggins</u>
Examiner:	Unassigned	Printed Name of Person Signing Certificate	
Customer No.:	27160		
Confirmation No.:	6928		

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6. The Commissioner is hereby authorized to charge \$1,440.00 plus any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17

Attorney Docket No. 211849-00032

During the entire pendency, or credit any overpayment, to Deposit Account No. 50-1214. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1214. This check is filed in triplicate.

7. (1) Correction of Entity Status and Payment of Fee Deficiency.
8. (1) Assignment along with Assignments Recordation Form Cover Sheet.
9. (1) A check in the amount of \$ to cover the filing fee for Assignment recordation is enclosed.

9-14-05
(Date)


John S. Panagakos
Registration No. 31,051

KATTEN MUCHIN ROSENMAN LLP
525 West Monroe Street
Chicago, Illinois 60661-3693
Telephone: (312) 902-5200
Facsimile: (312) 902-1061

Page 9 of 91 (211849-00032) 8/2002 12:11:28 14:55:07 14:22

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Attorney Docket No. 211843-00032 CENTRAL FAX CENTER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 14 2005

Applicants:	Horsky, et al.	CERTIFICATION OF TRANSMISSION
Application No.:	10/519,699	I hereby that this correspondence is being facsimile transmitted ((571) 273-8300) to the United States Patent and Trademark Office on
Filing Date:	December 23, 2004	<u>9-14-05</u>
Title: An Ion Implantation Device and a Method of Semiconductor Manufacturing by the Implantation of Boron Hydride Cluster Ions		Date
Group Art Unit:	Unassigned	<u>Janelle A. Wiggins</u>
Examiner:	Unassigned	Signature
Customer No.:	27160	<u>Janelle A. Wiggins</u>
Confirmation No.:	6928	Printed Name of Person Signing Certificate

Response to Notification of Missing Requirements Under 35 U.S.C. 371

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Attorney Docket No. 211843-00032

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7. Correction of Entity Status and Payment of Fee Deficiency.
8. Assignment along with Assignment Recodification Form Cover Sheet.
9. A check in the amount of \$ to cover the filing fee for Assignment recordation is enclosed.

9-14-05
(Date)


John S. Parraque
Registration No. 31,051

KATTEN MUCHIN ROSENMAN LLP
525 West Monroe Street
Chicago, Illinois 60661-3693
Telephone: (312) 902-5200
Facsimile: (312) 902-1061

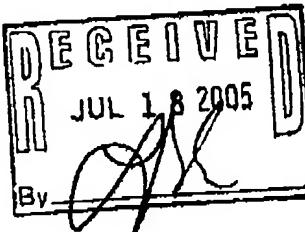
Doc 2 51021 (211843-00032) 30305213-1.09142005/2004 14-23



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/519,699	Horsky	211843-00032
		INTERNATIONAL APPLICATION NO
		PCT/LIS03/20197
		IA FILING DATE
		06/26/2003
		PRIORITY DATE
		04/18/2003
CONFIRMATION NO. 6928 371 FORMALITIES LETTER *OC000000016497049*		



Date Mailed: 07/14/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 12/23/2004
- Copy of the International Search Report filed on 12/23/2004
- Preliminary Amendments filed on 12/23/2004
- Small Entity Statement filed on 12/23/2004
- U.S. Basic National Fees filed on 12/23/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and International filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

*A copy of this notice **MUST** be returned with the response.*

DEBORAH D WILLIAMS

09-14-05 03:29pm From-KATTEN MUCHIN ROSENMAN 13129021061

3129021061

T-978 P.11/17 F-573

Page 2 of 2

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO	ATTY. DOCKET NO
10/519,699	PCT/US03/20197	211843-00032

FORM PCT/DO/EO/905 (371 Formalities Notice)

SFP 1000
PATENT
Attorney Docket No. 211843-00032**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Application No.: 10/519,699
Filing Date: December 23, 2004
Art Unit: Not yet received.
Confirmation No.: 6928
Inventor(s): Horsky
Title: An Ion Implantation Device and a Method of Semiconductor Manufacturing
by the Implantation of Boron Hydride Cluster Ions

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CORRECTION OF ENTITY STATUS AND PAYMENT OF FEE DEFICIENCY

Sir:

This communication serves to notify the U.S. Patent and Trademark Office of a correction to the entity status of the instant application and to pay the balance of deficient fees.

On the date of filing, December 23, 2004, it was believed in good faith that the application qualified for small entity fees. However, it is now apparent that small entity status was claimed (and small entity fees were paid) in error.

In order to correct the error, the deficiency owed is itemized in accordance with 37 CFR § 1.28(c)(2)(ii) as follows:

Serial No. 10/519,699

Page 2

TYPE OF FEE ERRONEOUSLY PAID AS A SMALL ENTITY	CURRENT FEE AMOUNT FOR A NON-SMALL ENTITY	SMALL ENTITY FEE ACTUALLY PAID/ DATE OF PAYMENT	DEFICIENCY CHARGED AMOUNT
Basic Filing Fee	\$300	\$150 December 21, 2004	\$150
Examination Fee	\$200	\$100 December 23, 2004	\$100
Search Fee	\$500	\$250 December 23, 2004	\$250
Legal entity Declaration surcharge	\$130	\$65 December 23, 2004	\$65
Total claims	\$950	\$475 December 23, 2004	\$475
Independent claims	\$300	\$150 December 23, 2004	\$150
TOTAL			\$1,440.00

The Commissioner is hereby authorized to charge \$1,440.00 for the payment of the deficiencies to Deposit Account No. 50-1214. The Commissioner is also hereby authorized to charge any additional deficiencies in the payment of the fees or credit any overpayment to Deposit Account No. 50-1214. A duplicate copy of this notification is enclosed.

Date: 9-14-05By: John S. Paniegas

John S. Paniegas
Attorney for Applicant(s)
Reg. No. 31,051

PATENT
Attorney Docket No. 211843-00032

IN THE U.S. PATENT AND TRADEMARK OFFICE

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Page 2

TYPE OF FEE WHICH ONLY PAID AS A SMALL ENTITY Basic Filing Fee	CURRENT FEE AMOUNT FOR A NON-SMALL ENTITY	SMALL ENTITY FEE ACTUALLY PAID/ DATE OF PAYMENT	DEFICIENCY OWED AMOUNT
	\$300	\$150 December 23, 2004	\$150
Examination Fee	\$200	\$150 December 23, 2004	\$150
Search Fee	\$500	\$250 December 23, 2004	\$250
Lic. auth/declaration surcharge	\$130	\$65 December 23, 2004	\$65
Total claims	\$950	\$475 December 23, 2004	\$475
Independent claims	\$600	\$400 December 23, 2004	\$400
TOTAL			\$1,440.00

The Commissioner is hereby authorized to charge \$1,440.00 for the payment of the deficiencies to Deposit Account No. 50-1214. The Commissioner is also hereby authorized to charge any additional deficiencies in the payment of the fees or credit any overpayment in Deposit Account No. 50-1214. A duplicate copy of this notification is enclosed.

Date: 9-14-05

By:

John S. Parry, Jr.
John S. Parry, Jr.
Attorney for Applicant(s)
Reg. No. 31,051